

## SEQUENCE LISTING

&lt;110&gt; AstraZeneca AB

Morten, John R

5 Smith, John C

Anand, Rakesh

&lt;120&gt; Methods

10 &lt;130&gt; PDH E1alpha

&lt;140&gt;

&lt;141&gt;

15 &lt;160&gt; 2

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

20 &lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

25 gtaaggacac ctgtggtggg gccggggcca aggccaaggg tatgtccttg tgcagaccct 60  
 tgacgatctt agaaacattg gagagtttca ttctcataca ggagcaggtc atgtgaaagt 120  
 aaaatggttt ggggcagttg gattcatgct tcgccccctc cctgtttatt accag 175

30 &lt;210&gt; 2

&lt;211&gt; 1472

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

35 &lt;400&gt; 2

actgaggcgt ggcgctctgct ggggcacctg aaggagactt gggggcaccc gcgtcgtgcc 60  
 tcctggggtt tgaggagtcg ccgctgccgc cactgcctgt gcttcattgag gaagatgctc 120  
 gccgccgtct ccgcgctgct gtctggcgct tctcagaagc cggcaagcag agtgctggta 180  
 gcatcccgta attttgcaaa tgatgtctaca ttgaaatta agaaatgtga ccttcaccgg 240  
 40 ctggaagaag gccctcctgt cacaacagt ctcaccaggg aggatgggct caaatactac 300  
 aggatgatgc agactgtacg ccgaatggag ttgaaagcag atcagctgta taaacagaaa 360  
 attattcgtg gtttctgtca cttgtgtgat ggtcaggaag cttgctgtgt gggcctggag 420

gccggcatca accccacaga ccatctcatc acagcctacc gggetcacgg ctttactttc 480  
acccggggcc tttccgtccg agaaattctc gcagagctta caggacgaaa aggaggttgt 540  
gctaaaggga aaggaggatc gatgcacatg tatgccaaga acttctacgg gggcaatggc 600  
atcgtgggag cgcaggtgcc cctgggcgct gggattgctc tagcctgtaa gtataatgga 660  
5 aaagatgagg tctgcctgac tttatatggc gatggtgctg ctaaccaggg ccagatatcc 720  
gaagcttaca acatggcagc tttgtggaaa ttaccttgta ttttcatctg tgagaataat 780  
cgctatggaa tgggaacgct tgttgagaga gcggcagcca gcaactgatta ctacaagaga 840  
ggcgatttca ttcctgggct gagagtggat ggaatggata tcctgtgctg ccgagaggca 900  
acaaggtttg ctgctgccta ttgtagatct gggaaggggc ccatcctgat ggagctgcag 960  
10 acttaccgtt accacggaca cagtatgagt gaccctggag tcagttaccg tacacgagaa 1020  
gaaattcagg aagtaagaag taagagtgc cctattatgc ttctcaagga caggatggtg 1080  
aacagcaatc ttgccagtgt ggaagaacta aaggaaattg atgtggaagt gaggaaggag 1140  
attgaggatg ctgccagtt tgccacggcc gatcctgagc cacctttgga agagctgggc 1200  
taccacatct actccagcga cccacctttt gaagtctgtg gtgccaatca gtggatcaag 1260  
15 ttttaagtcag tcagttaagg ggaggagaag gagaggttat accttcaggg ggctaccaga 1320  
cagtgttctc aacttggtta aggaggaaga aaaccagtc aatgaaattc aatgaaattc 1380  
ttggaaactt ccattaagtg tgtagattga gcaggtagta attgcatgca gtttgtacat 1440  
tagtgcatta aaagatgaat tattgagtgc tt 1472

"GATC" repeats

20